

Product datasheet for **RG236408**

CLEC1 (CLEC1A) (NM_001297749) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC1 (CLEC1A) (NM_001297749) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CLEC1
Synonyms: CLEC-1; CLEC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236408 representing NM_001297749.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGCCAAGTACAGCAGCACGAGGGACATGCTGGATGATGATGGGGACACCACCATGAGCCTGCAT
TCTCAAGGCTCTGCCACAACCTCGGCATCCAGAGCCCCGGCGCACAGCACAGGTGCAGCCCTTGTACA
GAACAATGGAAATGGCATGGAGACAATTGCTACCAGTTCTATAAAGACAGCAAAGTTGGGAGGACTGT
AAATATTTCTGCCTTAGTAAAACCTCTACCATGCTGAAGATAAACAACAAGAAGACCTGGAATTTGCC
GCGTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTTTTGGCCCTGACAGTGGCAAG
GCCTGGCTGTGGATGGATGGAACCCCTTCACTTCTGAAGTGTCCATATTATAATAGATGTCACCAGC
CCAAGAAGCAGAGACTGTGTGGCCATCCTTAATGGGATGATCTTCTCAAAGGACTGCAAAGAATTGAAG
CGTTGTGTCTGTGAGAGAAGGGCAGGAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTGAAACATTA
GGCGAAGGTGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236408
Blue=ORF Red=Cloning site Green=Tag(s)

```
MQAKYSSTRDMLDDGDTTMSLHSQGSATTRHPEPRRTAHRCSPTCEQWKWHGDNCYQFYKDSKSWEDC
KYFCLSENSTMLKINKQEDLEFAASQSYSEFFYSYWTGLLRPDSGKAWLWMDGTPFTSELFHIIIDVTS
PRSRDCVAILNGMIFSKDCKELKRCVCERRAGMVKPESLHVPPETLGEED
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



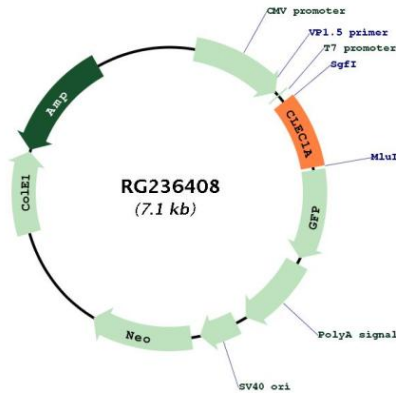
[View online »](#)

Cloning Scheme:


- ACCN:** NM_001297749
- ORF Size:** 564 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- RefSeq:** [NM_001297749.2](#)
- RefSeq Size:** 2505 bp
- RefSeq ORF:** 567 bp
- Locus ID:** 51267
- UniProt ID:** [Q8NC01](#)
- Cytogenetics:** 12p13.2
- Protein Families:** Druggable Genome, Transmembrane
- MW:** 22.2 kDa

Gene Summary:

This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. The encoded protein may play a role in regulating dendritic cell function. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:


Circular map for RG236408